

LAKE: SCHOODIC L (VLMP 21)
TOWN: LAKE VIEW PLT
COUNTY: PISCATAQUIS

MIDAS: 956
TRUE BASIN: 1
SAMPLE STATION: 2

WHOLE LAKE INFORMATION

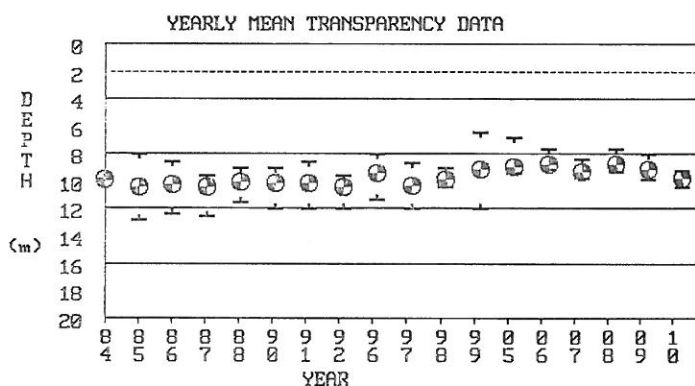
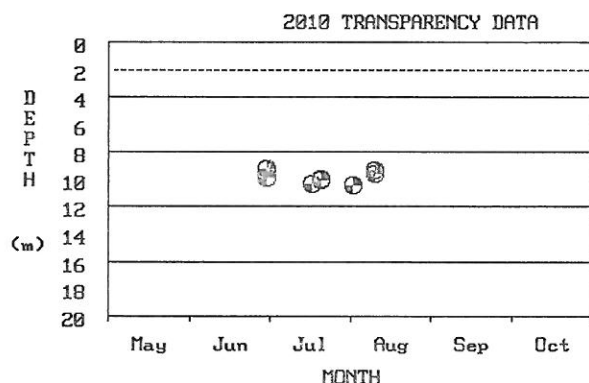
MAX. DEPTH: 57 m. (188 ft.)
MEAN DEPTH: 24 m. (79 ft.)
DELORME ATLAS #: 42
USGS QUAD: MILO NORTH
IFW REGION F: Penobscot (Enfield)
IFW FISH. MANAGMENT: Coldwater

TRUE BASIN CHARACTERISTICS

SURFACE AREA: 2808.0 ha. (6938.5 a.)
FLUSHING RATE: 0.08 flushes/yr.
VOLUME: 623367936.0 cu. m. (505673 ac.-ft.)
DIRECT DRAINAGE AREA: 58.81 sq. km. (22.71 sq. mi.)

PLEASE NOTE THE FOLLOWING: The SAMPLE STATION # refers to the location sampled. The term TRUE BASIN is used to define areas within a lake that are separated by shallow reefs or shoals and therefore function as separate lakes. There are approximately 50 lakes in the state that have more than 1 True Basin. True Basin Characteristics are now being included in the first section of these reports to enable users of the Phosphorous Loading Methodology to better evaluate the data. If there is no data for a particular True Basin, True Basin Characteristics must be obtained from the DEP. SCHOODIC L has 1 True Basin(s).

SECCHI DISK TRANSPARENCY GRAPHS:



Note: 2010 graphs may indicate multiple readings taken on a given day.

SUMMARY OF CHEMICAL AND TROPHIC STATE PARAMETERS:

[* indicates that Secchi disk was visible at bottom of lake (or one reading used in calculation was visible)].

YEAR	MEAN	MEAN	MEAN	MEAN	TOTAL PHOS. MEANS (ppb)				SECCHI DISK (m.)				CHLOROPHYLL A(ppb)			TROPIC STATE INDICES			
	COLOR	pH	ALK	COND.	EPI	SURF	BOT.	PRO.	MIN.	MEAN	MAX.	N	MIN.	MEAN	MAX.	EPI PHOS			
	(SPU)		(mg/l)	(uS												C	G	SEC	CHL
				/cm)	CORE	GRAB	GRAB	GRAB											
1984	-	-	-	-	-	-	-	-	9.8	9.8	9.8	1	-	-	-	-	-	-	-
1985	-	-	-	-	-	-	-	-	8.0	10.4	12.8	5	-	-	-	-	-	16	-
1986	-	-	-	-	-	-	-	-	8.5	10.2	12.3	5	-	-	-	-	-	16	-
1987	-	-	-	-	-	-	-	-	9.5	10.4	12.5	5	-	-	-	-	-	16	-
1988	-	-	-	-	-	-	-	-	9.0	10.0	11.5	5	-	-	-	-	-	17	-
1990	-	-	-	-	-	-	-	-	9.0	10.1	12.0	6	-	-	-	-	-	17	-
1991	-	-	-	-	-	-	-	-	8.5	10.1	12.0	6	-	-	-	-	-	17	-
1992	-	-	-	-	-	-	-	-	9.5	10.4	12.0	3	-	-	-	-	-	-	-
1996	-	-	-	-	-	-	-	-	8.0	9.4	11.3	5	-	-	-	-	-	19	-
1997	-	-	-	-	-	-	-	-	8.6	10.3	12.0	4	-	-	-	-	-	-	-
1998	-	-	-	-	-	-	-	-	9.0	9.8	10.4	5	-	-	-	-	-	18	-
1999	5	-	4.5	29	6	-	-	-	6.4	9.1	12.0	5	1.8	1.8	1.8	-	-	21	-
2005	-	-	-	-	-	-	-	-	6.8	8.9	9.4	6	-	-	-	-	-	21	-
2006	-	-	-	-	-	-	-	-	7.6	8.7	9.1	5	-	-	-	-	-	22	-
2007	-	-	-	-	-	-	-	-	8.3	9.3	9.7	2	-	-	-	-	-	-	-

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YEAR	MEAN	MEAN	MEAN	MEAN	TOTAL PHOS. MEANS (ppb)				SECCHI DISK (m.)				CHLOROPHYLL A(ppb)			TROPIC STATE INDICES			
	COLOR (SPU)	pH	ALK (mg/l)	COND. (uS/cm)	EPI	SURF	BOT.	PRO.	MIN.	MEAN	MAX.	N	MIN.	MEAN	MAX.	EPI PHOS			
					CORE	GRAB	GRAB	GRAB								C	G	SEC	CHL
2008	-	-	-	-	-	-	-	-	7.6	8.7	9.3	3	-	-	-	-	-	-	-
2009	-	-	-	-	-	-	-	-	8.0	9.1	9.8	4	-	-	-	-	-	-	-
2010	-	-	-	-	-	-	-	-	9.2*	9.7*	10.4*	3	-	-	-	-	-	-	-
SUMMARY:	5	-	4.5	29	6	-	-	-	6.4	9.7*	12.8	18	1.8	1.8	1.8	-	-	18	-

LATE SUMMER TEMPERATURE / DISSOLVED OXYGEN PROFILES:

SAMPLE DATE		
DEPTH	08/11/99	
m	°C	ppm
0.0	21.0	8.8
1.0	21.1	8.8
2.0	20.8	8.9
3.0	20.4	8.9
4.0	20.4	8.9
5.0	20.3	8.9
6.0	20.2	8.8
7.0	20.2	8.8
8.0	20.2	8.8
9.0	20.1	8.9
10.0	20.1	8.9
11.0	20.0	8.9
12.0	17.7	9.2
13.0	11.7	10.3
14.0	9.8	10.4
15.0	9.4	10.5
16.0	9.0	10.6
17.0	9.0	10.6
18.0	8.8	10.7
19.0	8.8	10.6
20.0	8.7	10.6
21.0	8.7	10.6
22.0	8.7	10.6
23.0	8.5	10.7
24.0	8.5	10.6
25.0	24.6	99.9

WATER QUALITY SUMMARY

SCHOODIC LAKE, LAKEVIEW PLT

Midas: 956, Basin 2: Northern

The Maine Department of Environmental Protection (ME-DEP) and the Volunteer Lake Monitoring Program (VLMP) have collaborated in the collection of lake data to evaluate present water quality, track algae blooms, and determine water quality trends. This dataset does not include bacteria, mercury, or nutrients other than phosphorus.

Water quality monitoring data for Schoodic Lake has been collected since 1984. During this period, 1 year of basic chemical information has been collected, in addition to Secchi Disk Transparencies (SDT). In summary, the water quality of Schoodic Lake is considered to be excellent, based on measures of SDT, total phosphorus (TP), and Chlorophyll-a (Chla). The potential for nuisance algae blooms on Schoodic Lake is low.

Water Quality Measures: Schoodic Lake is a non-colored lake (average color about 5 SPU) with an average SDT of 9.9 m (32.5 ft). The water column TP is about 6 parts per billion (ppb), while the one Chla value was 1.8 ppb. Recent dissolved oxygen (DO) profiles show no DO depletion in deep areas of the lake. The potential for TP to leave the bottom sediments and become available to algae in the water column (internal loading) is low.

See ME-DEP Explanation of Lake Water Quality Monitoring Report for measured variable explanations. Additional lake information can be found on the Internet at <http://www.lakesofmaine.org/> and/or <http://www.maine.gov/dep/blwq/lake.htm>, or telephone the ME-DEP at 207-287-3901 or the VLMP at 207-783-7733.

Filename: scho0956_2, Revised: 3/06, By: rjb

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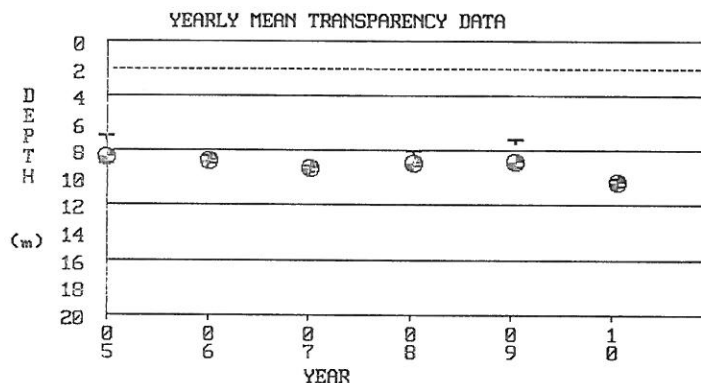
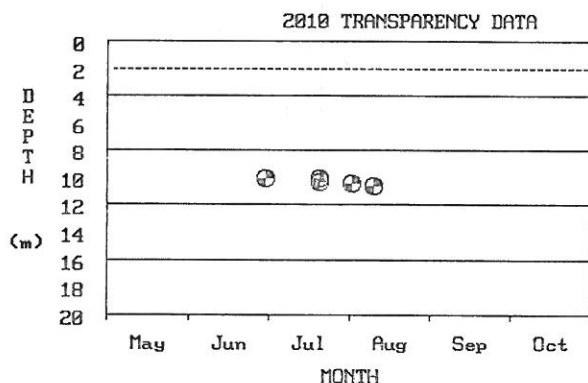
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				/cm)	CORE	GRAB	GRAB	GRAB											
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2006	-	-	-	-	-	-	-	-	8.3	8.7	8.9	5	-	-	-	-	-	22	-
2007	-	-	-	-	-	-	-	-	9.1	9.3	9.5	2	-	-	-	-	-	-	-
2008	-	-	-	-	-	-	-	-	8.0	8.9	9.1	3	-	-	-	-	-	-	-
2009	-	-	-	-	-	-	-	-	7.1	8.8	9.2	4	-	-	-	-	-	-	-
2010	-	-	-	-	-	-	-	-	10.0	10.3	10.6	3	-	-	-	-	-	-	-
SUMMARY:	-	-	-	-	-	-	-	-	6.9	9.1	10.6	6	-	-	-	-	-	23	-